

Abstract

A power actuator assembly for a latch includes first and second articulated levers. The first lever includes cam follower surfaces and the second lever includes at least one stop member which pivots between first and second positions as each lever travels between first and second positions. A motor-driven cam having driving members and stop members drives the first lever. More particularly, each driving member has a path of travel that engages one of the cam follower surfaces for a portion of the travel path to drive the first and second levers and is in disengaging alignment with the cam follower for another portion of travel. The cam stop members abut the stop member of the second lever when the cam driving members are in the non-aligned position, whereby the levers may be activated without driving the cam. The assembly can be employed, inter alia, in a lock application or a power release application so as to preclude the necessity of having to backdrive the power actuator.

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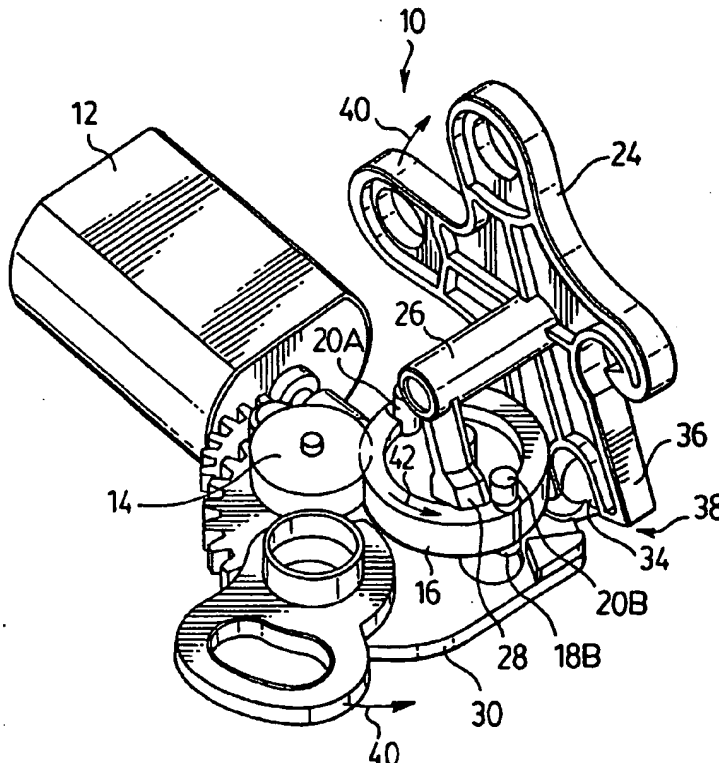
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(54) Title: POWER ACTUATOR FOR DOOR LATCH



(57) Abstract: A power actuator assembly for a latch includes first and second articulated levers (24, 30). The first lever includes cam follower surfaces (32A, 32B) and the second lever includes at least one stop member (28) which pivots between first and second positions as each lever (24, 30) travels between first and second positions. A motor-driven cam (16) having driving members (18A, 18B) and stop members (20A, 20B) drives the first (24) lever. More particularly, each driving member (18A, 18B) has a path of travel that engages one of the cam follower surfaces (32A, 32B) for a portion of the travel path to drive the first and second levers and is in disengaging alignment with the cam follower for another portion of travel. The cam stop members (20A, 20B) abut the stop member (28) of the second lever (30) when the cam driving members (18A, 18B) are in the non-aligned position, whereby the levers may be activated without driving the cam (16). The assembly can be employed, inter alia, in a lock application or a power release application so as to preclude the necessity of having to backdrive the power actuator.

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